



One Team: Relevant, Ready, Responsive and Reliable



US Army Corps
of Engineers
New Orleans District

National Environmental Policy Act “NEPA”

- Required for all major Federal actions
- Analyze potential impacts to the human and natural environment and investigate reasonable alternatives
- Analyses documented in Environmental Assessments (EA), Environmental Impact Statements (EIS), or Individual Environmental Reports (IER)
- Public involvement is KEY: We want to hear from you!
- **Goal: more informed decision making through public involvement**



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IER #4

New Orleans Lakefront Levees & Floodwalls

Purpose and Need: Provide for the 100-year Level of the Hurricane and Storm Damage Risk Reduction System

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Status

Where We Are:

- March/April 07: NEPA Process began with Public Scoping Meetings
- **Nov 07 through May 08**: Developing alternatives and conducting impacts analysis and soliciting public input

Where We Are Going:

- May 08: Release Draft IER #4
- June 08: End of 30-day Public Review, Make Final Decision – District Commander signs final IER document

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New Orleans Lakefront Levee - Current Construction: Phase 1 of 100-year level of protection



**LPV 101-
17th Street
Canal to
Topaz Street:**
*Currently in
Design Phase*

*Anticipated
contract award:
1 Qtr '09*

**LPV 102-Topaz
Street to Orleans
Avenue:**
*Contract Awarded
3 Oct 07*

90% Complete

**LPV 103-Orleans
Avenue Canal to
London Avenue
Canal:**
*Contract Awarded
3 Dec 07*

8% Complete

**LPV 104-London
Avenue Canal to
IHNC:**
*Contract Awarded
13 July 07*

81% Complete

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New Orleans Lakefront Levee Phase 1A & 2 of 100-year Level of Protection



- **Alternatives:**
 - No action
 - ~~Raise homes and businesses (non structural)~~
 - Modifications or replacement of floodwalls / gates
 - Additional embankment work to meet new design criteria
 - Raise Road Ramps
 - Armoring of transitions & utility crossings

What Has Changed

Alternatives being considered:

- 1) Modify the Bayou St. John sector gate structure, floodwalls and levees along Bayou St. John.
- 2) Construct levee with sluice gates across Bayou St. John on lakeward side of bridge
- 3) Construct levee with sector gate across Bayou St. John on lakeward side of bridge



U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
MISSISSIPPI VALLEY DIVISION

Map Legend

- Channel Floodgate
- Inverted Floodgate
- Rollback Floodgate
- Rosa Floodgate
- Pump Station
- Federal Hurricane Flood-wall
- Federal Hurricane Flood-wall
- Federal Hurricane Levee
- Federal Hurricane Levee and Flood-wall
- Water Protection Levee
- Federal Hurricane Levee
- Federal Hurricane Levee and Flood-wall
- Federal Hurricane Levee
- Federal Hurricane Levee and Flood-wall
- Federal Flood-wall
- Local Drainage Levee; Local Hurricane Levee
- Local Hurricane Levee and Flood-wall
- Local Levee; Federal Flood
- Rosa Levee
- Parish Boundary

PROJECT STATISTICS

Total Length: 7121'
Federal Hurricane Levee: 6479'
Federal Levee and Floodwall: 668'
Storm Gaps (6): 573'
Authorized Grade: 18.0'
100-Year Grade: 18.5'-20.5'
Existing Elevation: 16.5'-20.0'
Est. Cost (Millions): Phase 1 - \$9.1,
Phase 2 - \$46.0

AREA MAP



REGION MAP

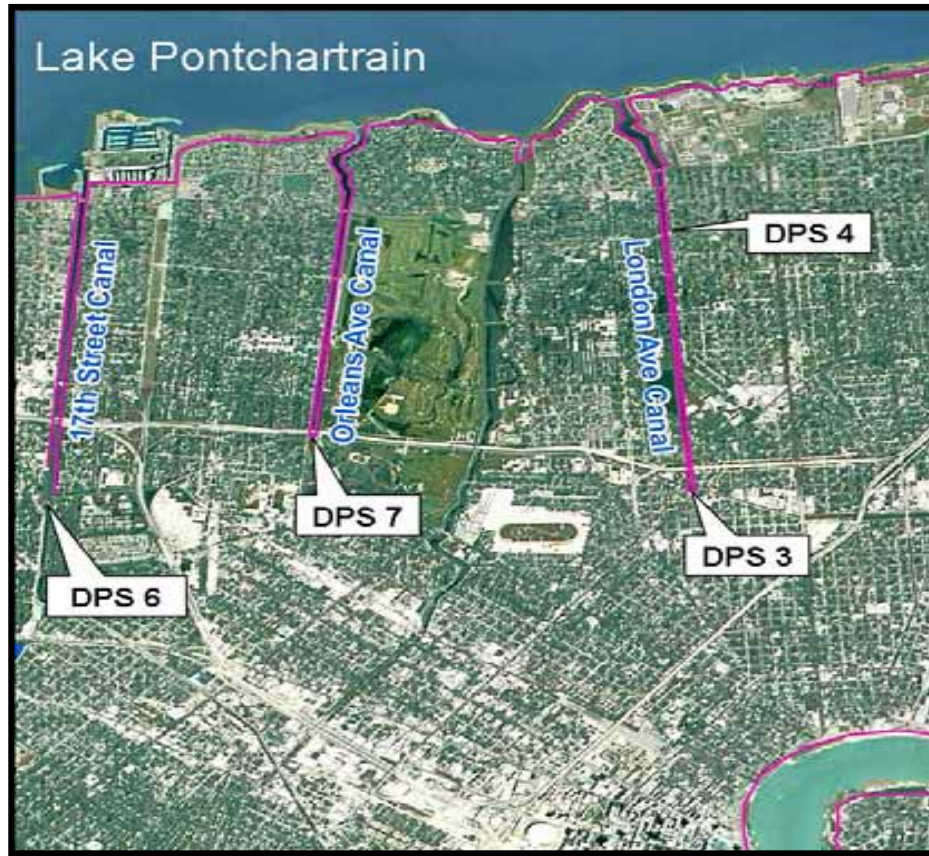




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New Orleans District

IER #5

Permanent Protection System for the Outfall Canals



Purpose and Need

Protect City of New Orleans and Jefferson Parish from storm surge-induced flooding through the 17th St, Orleans Ave, and London Ave Canals, while not impeding the ability of the area's internal drainage system to remove storm water.



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Status

Where We Are:

- March/April 07: NEPA Process began with Public Scoping Meetings
- April 07 through Nov 07: Alternatives developed
- **Nov 07 through March 08:** Conduct Impacts Analysis, continue Solicitation of Public Input and Complete Draft IER #5

Where We Are Going:

- Early April 08: Release Draft IER #5 (including proposed action alternative and site locations) for 30-day public comment period
- Corps to hold a public meeting during 30-day public comment period; date To Be Determined
- Mid/Late May 08: Make Final Decision - District Commander signs the IER document.

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How we collected input

Public Input

- Frequent public meetings
- Numerous meetings with parties potentially directly impacted
- Numerous emails, phone calls, letters, petition, resolutions
- Partnering sessions with potential non-federal sponsors
- Alternatives selection workshop

Technical Input

- Senior Review Panel
- Monthly interagency team meetings
- Analysis of Impacts to important resources (human and natural)
- Engineering support team

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Snapshot of Public Comments

- Avoid or minimize destruction of wetlands and non-wet bottomland hardwoods
- Avoid taking of public lands and green space
- Avoid disruption of neighborhoods
- For and against locating pump station along Bellaire Dr.
- For and against use of UNO properties
- Opposition to taking of Il Tony's Restaurant



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Snapshot of Public Comments

- Avoid disruption of re-development of West End
- Disruption of Coconut Beach hampers recreational opportunities
- Pump stations should blend into the neighborhood
- Protection first, aesthetics second
- Hoey's Basin Pump to the River should be implemented
- Pump station at or in the lake is safest location
- Pump station at lake detracts from neighborhood quality of life and property values



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NEPA Alternatives Summary

1. No Action (NEPA Mandated)*
 2. ~~Non-Structural (WRDA Mandated)~~
 3. ~~Barrier Plan~~
 4. ~~Canal Closure~~
 5. Parallel Protection*
 6. Canal Closure and Pumps*
- Additional Features*

*Indicates alternatives carried through impacts analysis



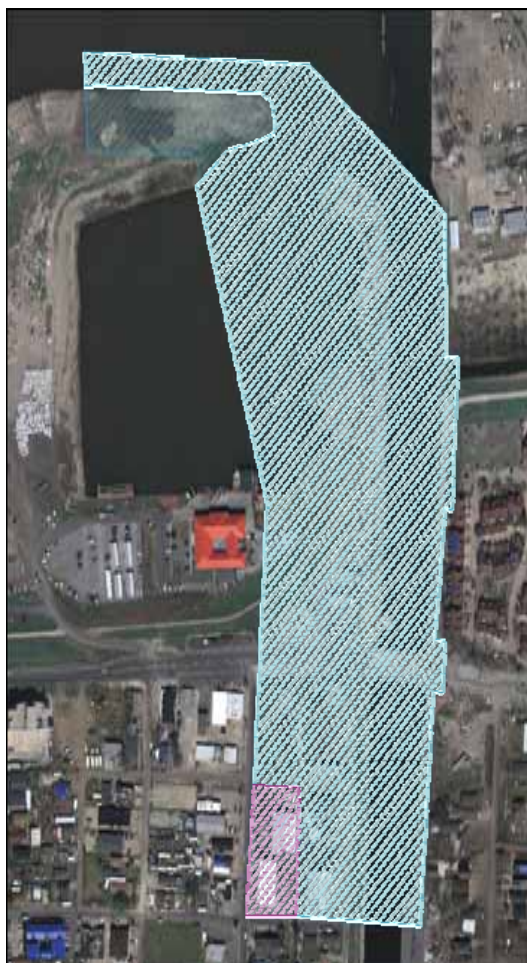
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What Has Changed 17th Street Site Locations

Location A



Location B




Location C



Permanent 

Temporary 



Minimize Impacts 



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What Has Changed Orleans Ave. Site Locations



Permanent 
Temporary 

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What Has Changed Orleans Ave. Site Locations

Location C



Location D



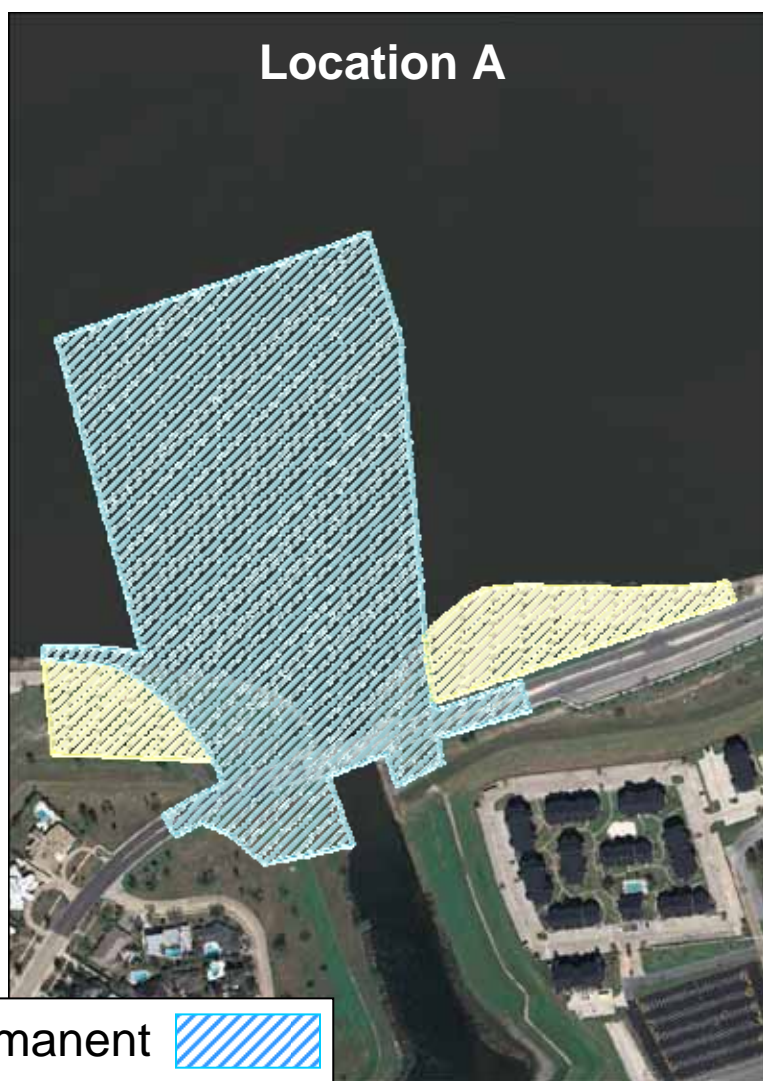
Permanent	
Temporary	

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What Has Changed London Ave. Site Locations



Permanent	
Temporary	

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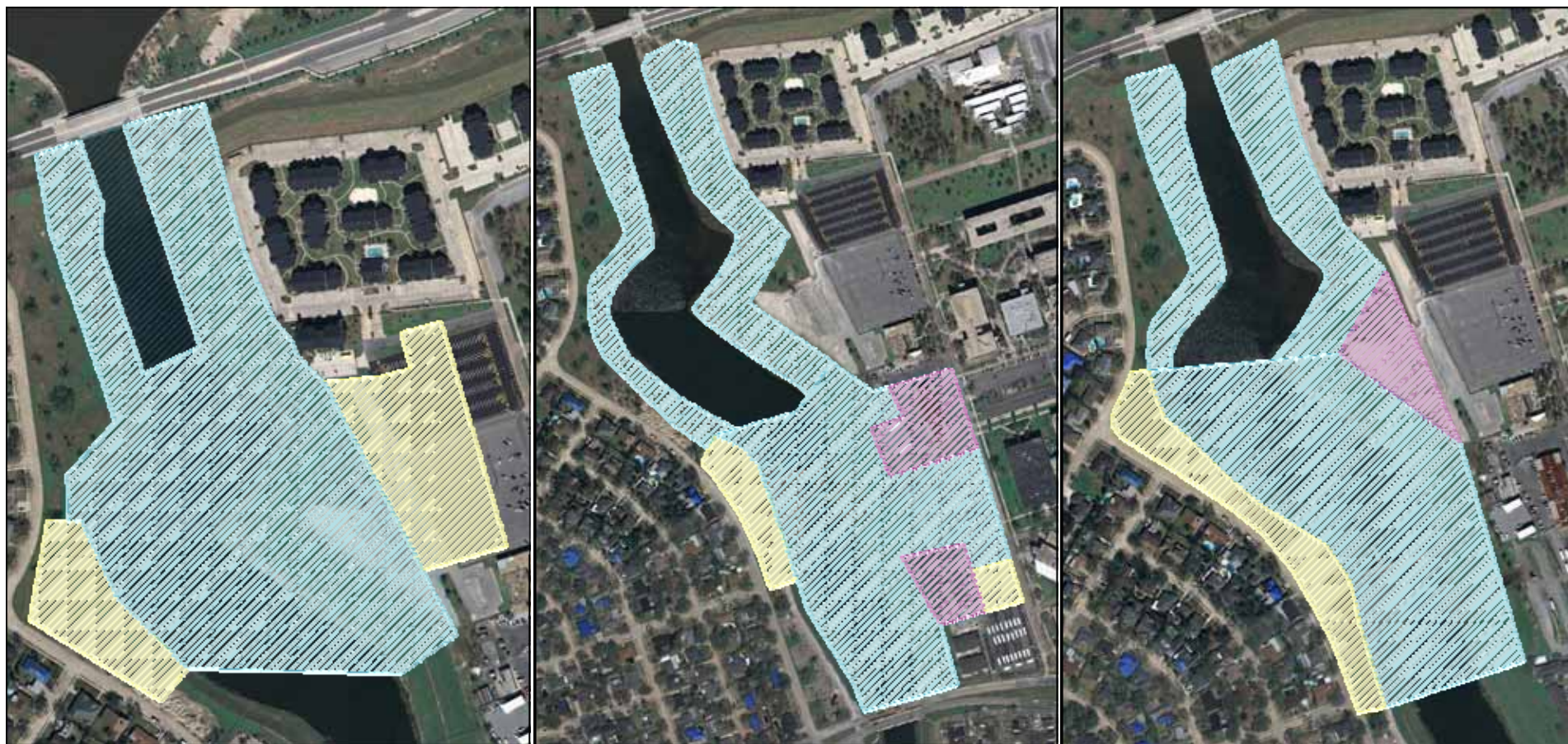
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What Has Changed London Ave. Site Locations

Location C

Location D

Location E



Permanent



Temporary



Minimize Impacts





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Opportunities for Public Input

- Monthly Public Meetings throughout New Orleans Metro Area
 - Make sure to sign in tonight to get on our meeting notification mailing list
- Comments can be submitted at any time at www.nolaenvironmental.gov
- Individual Environmental Reports (IER) 30-day Public Review

Questions and comments regarding Hurricane Protection Projects should be addressed to:

Gib Owen

PM-RS

P.O. Box 60267

New Orleans, LA 70160-0267

Telephone: 504-862-1337

E-mail: mynenvironmental@usace.army.mil

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New Orleans District

NOLA
Environmental

NEW ORLEANS, LOUISIANA
Environmental Compliance Data Bank



www.nolaenvironmental.gov

PROJECTS

MEETINGS

LIBRARY

DATA VIEWER

GET INVOLVED

RELATED LINKS

Environmental Processes and NEPA Compliance

[What is NEPA?](#)

FEATURED PROJECT



USACE-MVN Emergency Alternative Arrangements
West Bank & Vicinity & Lake Pontchartrain & Vicinity
Hurricane Protection Projects

[USACE NEPA Questions & Answers](#)

[USACE Alternative Arrangements NEPA Process](#)

[USACE Alternative Arrangements NEPA Process Appendix](#)

Welcome to NOLA Environmental! This site has been set up to share with the public the efforts being made by the U.S. Army Corps of Engineers and other Federal and state agencies in south Louisiana regarding the environmental compliance for proposed Federal and state Hurricane Protection Projects. Additional information pertaining to other Federal and state agencies' hurricane recovery efforts in southeast Louisiana will also be posted on the site as it becomes available.

The U.S. Army Corps of Engineers, Mississippi Valley Division, New Orleans District implemented Alternative Arrangements on March 13, 2007 under the provisions of the Council on Environmental Quality Regulations for Implementing the [National Environmental Policy Act](#) (40 CFR § 1506.11). This process was implemented in order to expeditiously complete environmental analysis for the 100-year level of Hurricane and Storm Damage Reduction effort authorized and funded by the Administration and the Congress. The proposed actions are located in southern Louisiana area and relate to the Federal effort to rebuild the Hurricane and Storm Damage Reduction system in the New Orleans Metropolitan area as a result of Hurricanes Katrina and Rita. [Learn More](#)

[IER 18 Government Furnished Borrow Draft Report](#) Public [Comment](#) Period: Oct. 28, 2007 - Dec. 04, 2007

[IER 19 Contractor Furnished Borrow Draft Report](#) Public [Comment](#) Period: Nov. 2, 2007 - Dec. 6, 2007

UPCOMING EVENTS: [Public Meetings](#)

[Nov. 29, 2007 7:00 - 9:00 pm \(Open House: 6:00 - 7:00 pm\), Orleans East Bank \(IER 5\)](#)

[Dec. 06, 2007 7:00 - 9:00 pm \(Open House: 6:00 - 7:00 pm\), St. Charles \(IER 1, 2, 3\)](#)

[Dec. 11, 2007 7:00 - 9:00 pm \(Open House: 6:00 - 7:00 pm\), Environmental Justice](#)





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Questions



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